



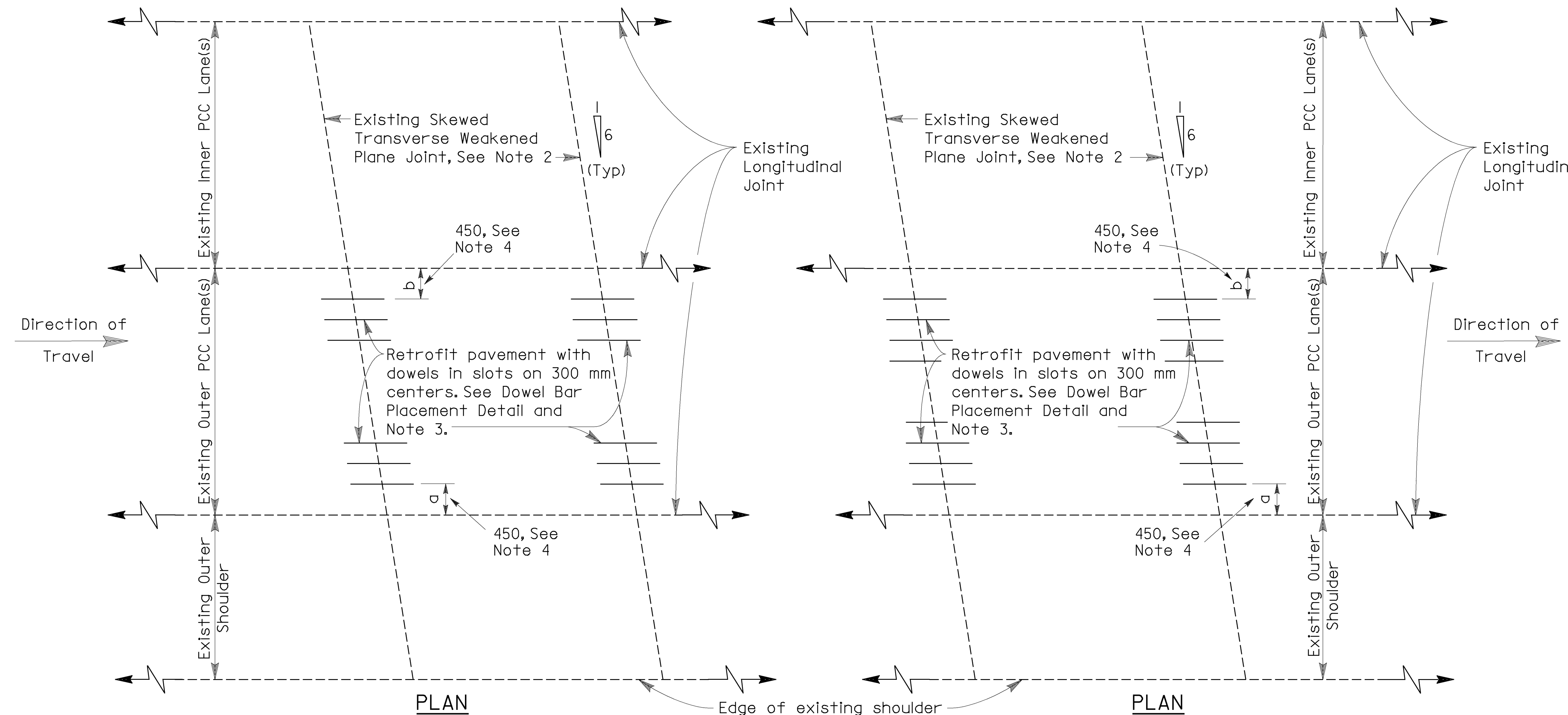
DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST NO.	SHEET NO.	TOTAL SHEETS
October 26, 2000 PLANS APPROVAL DATE						
The State of California or its officers or agents, shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.						

REGISTERED CIVIL ENGINEER  
Kevin M. Herritt  
No. C36577  
Exp. 6-30-04  
CIVIL  
STATE OF CALIFORNIA

To accompany plans dated \_\_\_\_\_

### NOTES:

- See Project Plans for existing pavement thickness, D, the number of dowels per wheel path and the lanes to be retrofitted.
- The details shown on this plan for dowel bar retrofit also apply to existing concrete pavement constructed with transverse weakened plane joints at right angles to the centerline or longitudinal pavement joints.
- 38 mm  $\phi$  smooth epoxy coated dowels 460 mm  $\pm$  6 mm in length are to be used when the existing pavement thickness, D, is equal to or greater than 215 mm. For a pavement thickness, D, less than 215 mm, use 32 mm  $\phi$  smooth epoxy coated dowels 460 mm  $\pm$  6 mm in length.
- Where the existing outer shoulder structural section is asphalt concrete or portland cement concrete without tie bars in the longitudinal joints of the retrofit lane, the 'a' dimension shall be 300 mm and the 'b' dimension shall be 600 mm.
- Seal existing transverse joint at bottom and sides of the dowel bar slot with caulking filler prior to placing dowel bar and foam core insert.
- Thickness of foam core insert to match width of existing transverse weakened plane joint. See Project Plans for joint widths.
- The top of the foam core insert is to match the top of the existing pavement surface initially. The upper portion of insert will be removed during shaping of the sealant reservoir.
- The transverse weakened plane joint is to be sealed within the width of the pavement lane receiving the dowel bar retrofit.

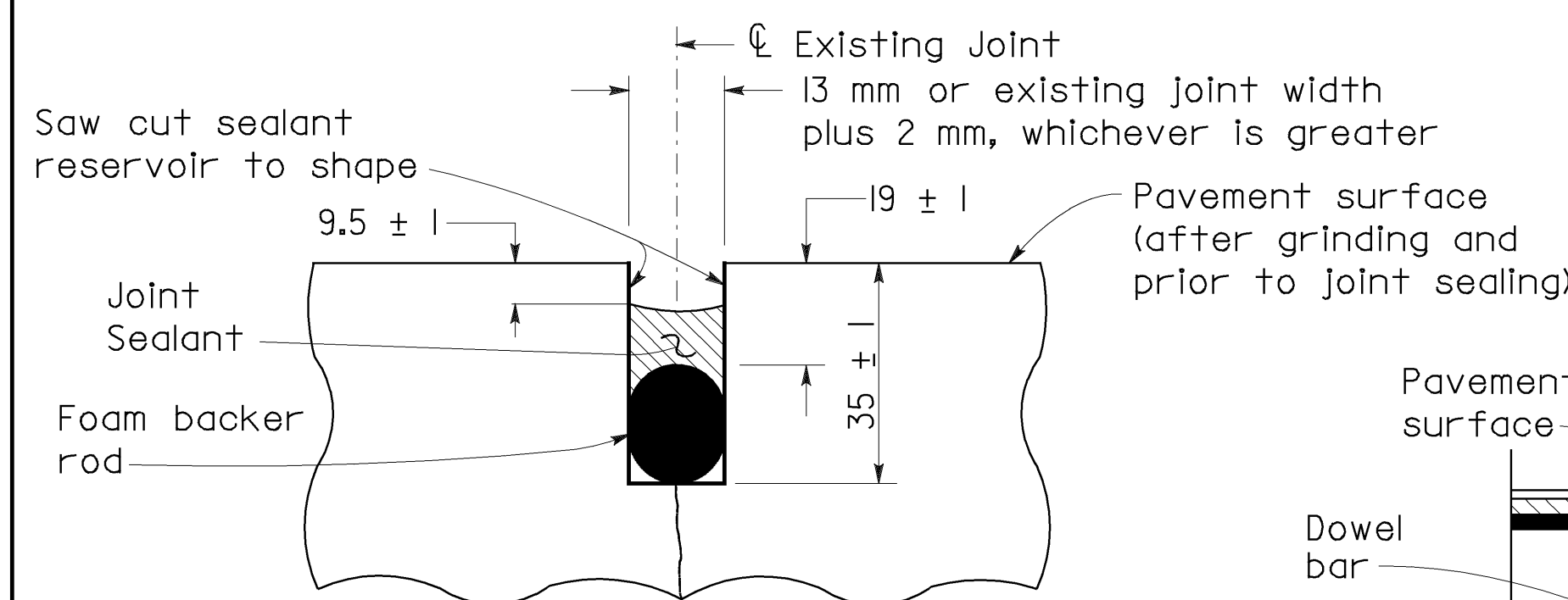


### PLAN 3 DOWELS PER WHEEL PATH

See Notes 1 and 2

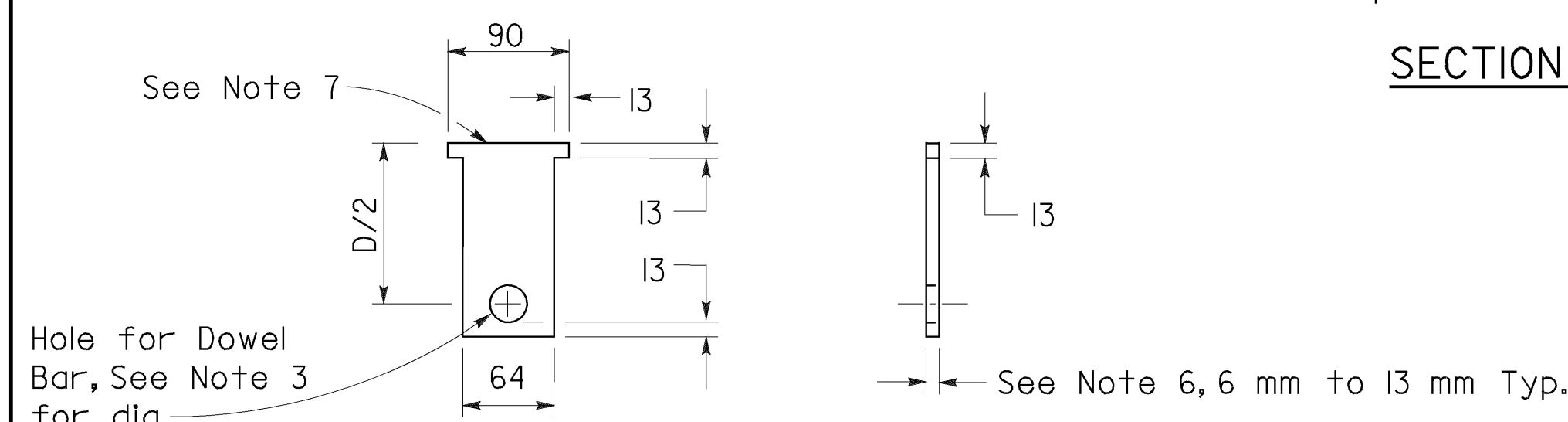
### PLAN 4 DOWELS PER WHEEL PATH

See Notes 1 and 2

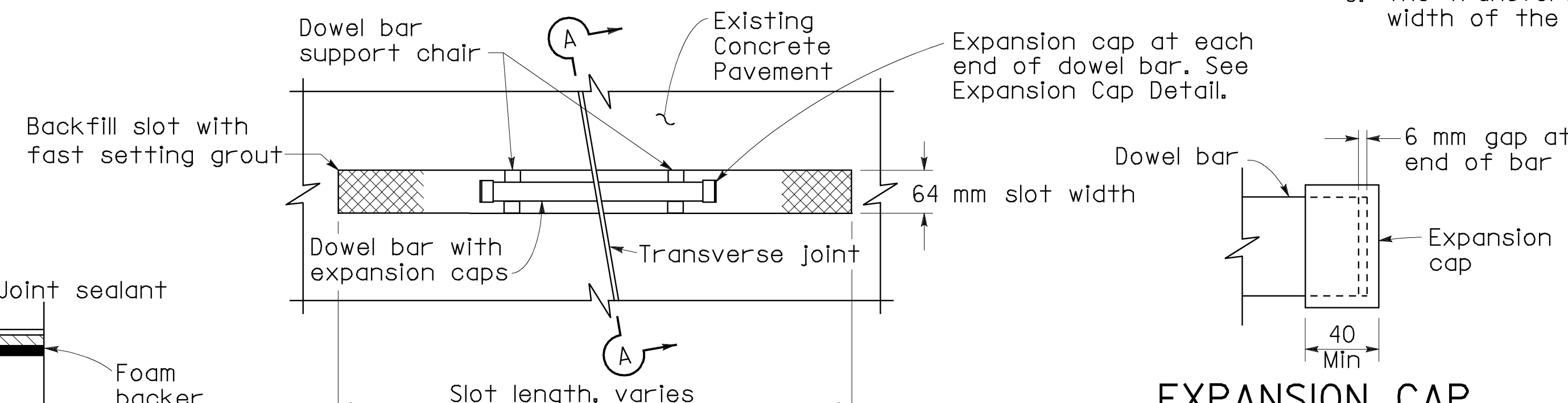


### JOINT SEALING DETAIL

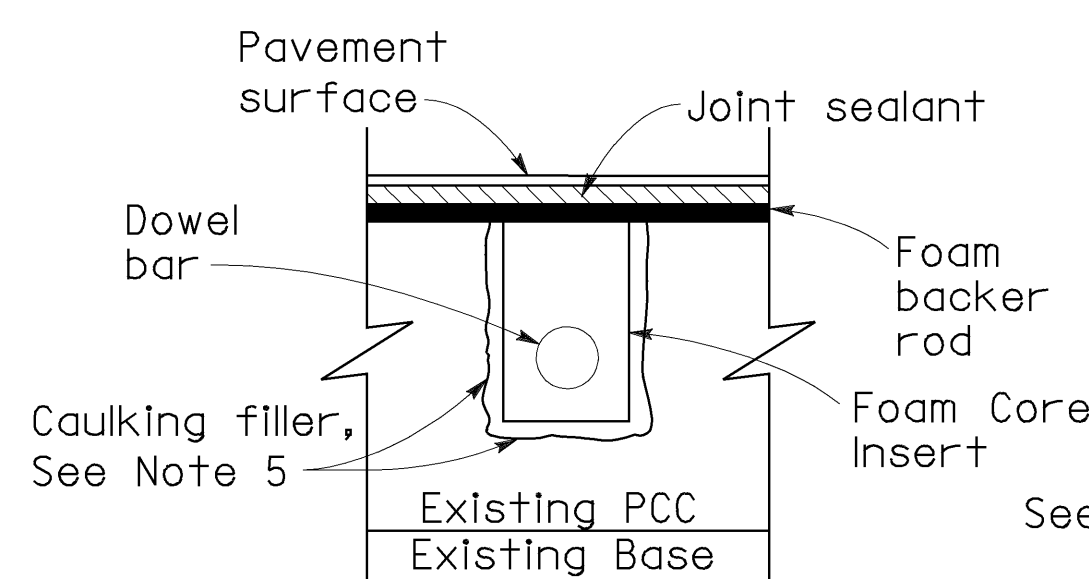
(See Note 8)



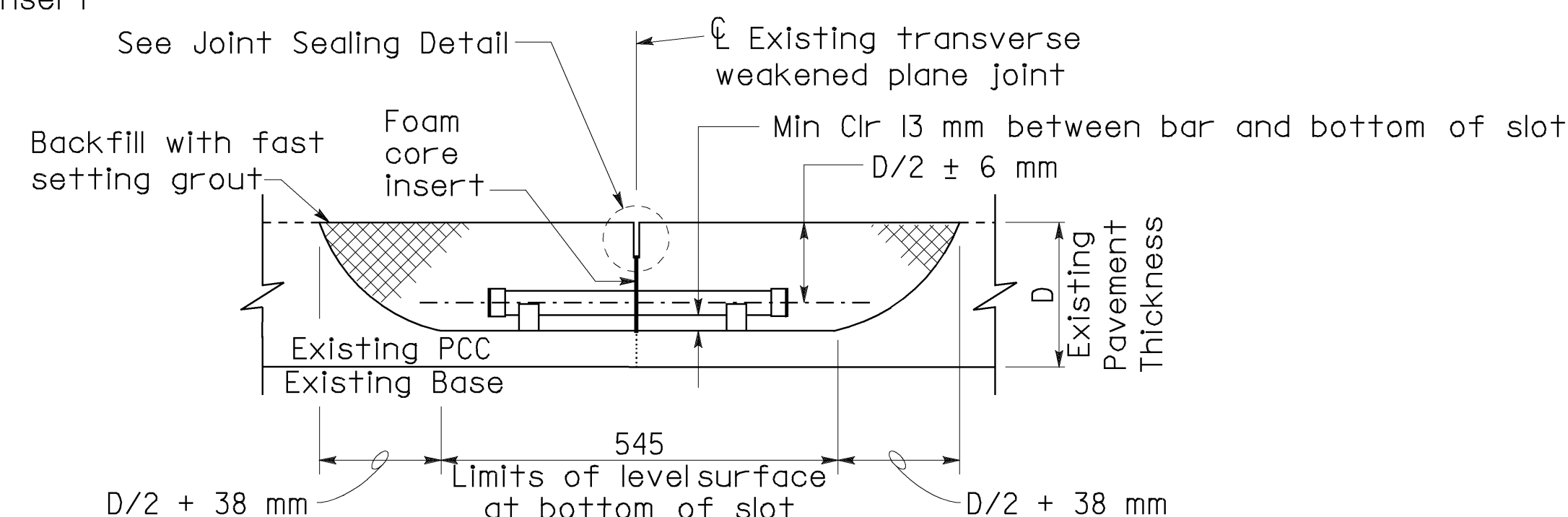
### FOAM CORE INSERT DETAIL



### EXPANSION CAP DETAIL



### SECTION A-A



### ELEVATION

### DOWEL BAR PLACEMENT DETAIL

## STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DOWEL BAR RETROFIT IN EXISTING CONCRETE PAVEMENT (LONGITUDINAL JOINTS COINCIDE WITH LANELINE PAVEMENT DELINEATION)

NO SCALE

ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN  
NSP A35D DATED OCTOBER 26, 2000 SUPPLEMENTS  
THE STANDARD PLANS BOOK DATED JULY 1, 1999

**NEW STANDARD PLAN NSP A35D**